

DATA SHEET

DS No. KDFK-3-40
Rev. 2
Date 18.08.2021
Prepared DE
Approved AM
Project Krone Filter Solutions GmbH
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KDF-K DUPLEX FILTER

GENERAL

| | | | | |
|---|-------------------------|-----------------------------------|--------------|--------|
| 1 | Identification (KKS) | | Size of body | 3 |
| 2 | Nominal Diameter | DN40 | Rating | 16 bar |
| 3 | KKS (line) | | DN | 40,0 |
| 4 | Design codes in acc. to | AD2000-Merkblatt / PED 2014/68/EU | | |
| 5 | Model identification | KDF-K | | |
| 6 | Fluid filtered | | | |
| 7 | Service | | | |

TYPE OF CONNECTIONS

| | | | | |
|----|-----------------------|------|--------|--|
| 8 | | DN | Rating | |
| 9 | INLET | 40 | PN16 | |
| 10 | OUTLET | 40 | PN16 | |
| 11 | Drain | 3/8" | N/A | |
| 12 | Vent | 1/4" | N/A | |
| 13 | Differential pressure | 1/4" | N/A | |

OPERATING AND DESIGN PARAMETERS

| | | | | |
|----|-------------------|--------------------------------|----------------------|--------------------------|
| 14 | DESIGN CONDITIONS | | OPERATING CONDITIONS | |
| 15 | Pressure | 16 bar | Pressure | bar g |
| 16 | Temperature | -10/+85 (+120°) °C | Temperature | °C |
| 17 | Flow | 12 m³/h | Flow | kg/h |
| 18 | Pressure drop | | Pressure drop | |
| 19 | ΔP clean filter | 0,05 bar (≥100µm) | ΔP clean filter | 0,05 bar (≥100µm) |
| 20 | ΔP dirty filter | 2 bar (basket design pressure) | ΔP dirty filter | bar |
| 21 | Noise level | N/A - no source of noise | Noise level | N/A - no source of noise |

DESCRIPTIVE CHARACTERISTICS

| | | |
|----|-----------------------|---|
| 22 | LOCATION OF EQUIPMENT | <input type="checkbox"/> Outside <input type="checkbox"/> Inside <input type="checkbox"/> Other |
| 23 | FILTER ELEMENT | |
| 24 | Type | Basket |
| 25 | Basket area | 440 cm² |
| 26 | Grade of filtration | 20-10000µm |
| 27 | MATERIALS | |
| 28 | Body | EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7 |
| 29 | Cover | EN-GJS-500-7 / GGG-50 / BS 500-7 / ASTM 536 80-55-06 / JIS FCD 500-7 |
| 30 | Gasket | NBR* |
| 31 | Vent & Drain plug | SS316ti |
| 32 | Studs | Steel, galvanized |
| 33 | Nuts | Steel, galvanized |
| 34 | Screen | SS316 |
| 35 | Perforated plate | SS316 |

ACCESSORIES

| | | |
|----|-------------------------|--|
| 36 | Pressure drop indicator | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 37 | Magnetic filter insert | <input type="checkbox"/> Yes <input type="checkbox"/> No |

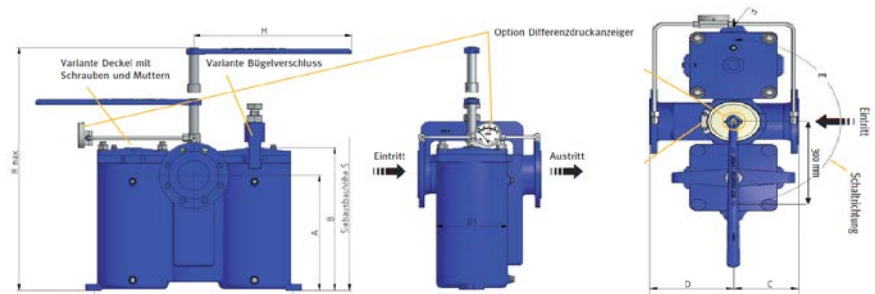
TESTS AND NON DESTRUCTIVE EXAMINATIONS

| | | | | |
|----|-------------------------------|---|-------------------------------|-----------------------------------|
| 38 | | SCOPE | | APPLICABLE RULE |
| 39 | Hydrostatic Test | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | | AD2000-Merkblatt / PED 2014/68/EU |
| 40 | Visual inspection | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | 100 % | |
| 41 | CE- Declaration of Conformity | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Operating data is necessary ! | PED 2014/68/EU |
| 42 | Others | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| 43 | | | | |
| 44 | Information | Foundry certified by LR / Lloyds | | |

COATING

| | | |
|----|----------|---------------------------|
| 45 | INTERNAL | Anti corrosive oil |
| 46 | EXTERNAL | Epoxy paint RAL 5010 blue |

DIMENSIONS AND WEIGHT

| | | | | | |
|----|--|-------|--------------------|-------|----|
| 47 |  | | Dimensionen | | |
| 48 | | | A | 235,0 | mm |
| 49 | | | B | 298,0 | mm |
| 50 | | | C | 100,0 | mm |
| 51 | | | D | 130,0 | mm |
| 52 | | | E | 364,0 | mm |
| 53 | | | F | 14,0 | mm |
| 54 | | | S | 550,0 | mm |
| | | | H | 480,0 | mm |
| | | | L | 230,0 | mm |
| | M | 300,0 | mm | | |
| | Weight | 38,0 | kg | | |

REMARKS

| | |
|----|---|
| 55 | * on request. |
| 56 | |
| 57 | |
| 58 | |
| 59 | |
| 60 | 08/2021 © by Krone Filter Solutions GmbH, subject to change |